Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Title V
AIR QUALITY PERMIT

Permittee Name:	Hollinee Manufacturing Corporation
Mailing Address:	P.O. Box 600 Vanceburg, Kentucky 41179
Source Name:	Hollinee Manufacturing Corporation
Mailing Address:	Same as above
Source Location:	Black Oak Industrial Park, Route 8, Vanceburg
UTM:	17 Z, 4275 N, 302.1 E,
Permit Number:	V-01-005
Log Number:	51359 & 53522
Review Type:	Construction/Operation
KYEIS ID #:	21-135-00018
SIC Code:	3231
Regional Office	Ashland
County:	Lewis
Application Complete Date:	March 1, 2001
Issuance Date:	November 2, 2001
Expiration Date:	November 2, 2006

John E. Hornback, Director
Division for Air Quality

Revised 1/16/2001

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - AFFECTED FACILLITIES FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Existing Operating Equipment:

01 (a1) **16 Binder Pump Spray Applicators**
Medium: polymer based
Maximum rated capacity (potential): 6.14 lb/ binder and 41.86lbs/unit formed per hour capacity
Construction date: 1997
Control equipment: None

02 (a2) **16 Moving Glass Melting Furnaces (0.15 mmBTU/hr/unit)**
Maximum rated capacity (potential): 41.86 lb/unit glass cullet per hour capacity
Construction date: 1997
Control equipment: None

03 (a3) **One (1) Fiberglass Curing Oven (7 mmBTU/hr/unit) and Letoff Table (0.3 mmBTU/hr/unit) and Fiberglass Performing curing oven (3 mmBTU/hr)**
Maximum rated capacity (potential): 2,478 tons/hr/unit capacity
Construction date: 1997
Control Equipment: Wet Scrubber and backup Fabric Filter

08 (1) **Resin/Latex Spray Stations (sprays front and back side of web) (before and after Resin/Latex Curing Oven)**
Maximum rated capacity (potential): 28.33 gallons/hr capacity
Construction date: 1997
Control equipment: Fume Hoods, Filter systems

09 (1) **Web Resin/Latex Curing Oven**
Maximum rated capacity (potential): 6 mmBTU/hr
Construction date: 1997
Control equipment: None

14 (--) **Blender (Cotton)**
Maximum rated capacity (potential):
Construction date: 1997
Control equipment: None

15 (--) **Two (2) Cotton Bale Openers**
Maximum rated capacity (potential):
Construction date: 1997
Control equipment: In-house bag house

SECTION B - AFFECTED FACILLITIES FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

16 (--) Web Feeder (Cotton Role)
Maximum rated capacity (potential):
Construction date: 1997
Control equipment: In-house bag house

New Construction/Operation Equipment:

10 (b1) 64 Binder Pump Spray Applicators
Medium: polymer based binder
Maximum rated capacity (potential): 6.14 lbs/ binder and 41.86lbs/unit formed per hour capacity
Construction date: May/June, 2001
Control equipment: None

11 (b2) 20 Binder Pump Spray Applicators
Medium: water based binder
Maximum rated capacity (potential): 6.14 lbs/binder and 41.86lbs/unit formed glass per hour capacity
Construction date: May/June, 2001
Control equipment: None

12 (b3) 84 Moving Glass Melting Furnaces (0.15 mmBTU/hr/unit)
Maximum rated capacity (potential): 41.86 lbs/unit glass cullet per hour capacity
Construction date: May/June, 2001
Control equipment: None

13 (b4) One (1) Fiberglass Curing Ovens (7 mmBTU/hr/unit) and Letoff Table (0.3 mmBTU/hr/unit)
Maximum rated capacity (potential): 2,478 tons/hr/unit capacity
Construction date: May/June 2001
Control Equipment: Wet Scrubber and backup Fabric Filter

APPLICABLE REGULATIONS:

401 KAR 59:010, *New Process Operations constructed after July 2, 1975*
401 KAR 63:020, *Potentially hazardous matter or toxic substances*
401 KAR 63:010, *Fugitive emissions* Note: The **Cotton Blender** is not vented.
401 KAR 52:001, *Definitions for 401 KAR Chapter 52*
401 KAR 63:105, *Requirements for control technology determinations for major sources in accordance with Clean Air Act section 112(g) and (j)*

State-Origin Applicable Regulations:

SECTION B - AFFECTED FACILLITIES FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

401 KAR 63:021, *Existing sources emitting toxic air pollutants*

REGULATIONS NOT APPLICABLE:

401 KAR 59:015, *New indirect heat exchangers.* The curing ovens are not indirect heat exchangers.
401 KAR 51:017, *Prevention of significant deterioration of air quality.* The source uses formed glass as starting product.
401 KAR 60:005, *40 CFR Part 60 standards of performance for new stationary sources,* which incorporates 40 CFR 60.680 to 60.685 (Subpart PPP), "Standards of Performance for Wool Fiberglass Insulation Manufacturing Plants", as published in the Code of Federal Regulations, 40 CFR Part 60, July 1, 1998. This Regulation does not apply since no rotary spin process is used at the plant.
40 CFR Part 60 - Subpart CC - Standards of Performance for Glass Manufacturing Plants does not apply since this source manufactures no glass. Glass used in the fiberglass production process is purchased from an outside vendor.
40 CFR 63 Subpart HHHH does not apply since the Source does not produce mineral wool/fiberglass for roof products and does not use urea/formaldehyde binder resins.
40 CFR 63 Subpart DDD does not apply since the Source does not use or produce mineral wool/fiberglass from natural rock, blast furnace slag, or other similar type material.
40 CFR 63 Subpart NNN "National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing" does not apply since the Source does not manufacture wool fiberglass as rotary spin process. Phenol-formaldehyde resin is not used as a binder.

1. Operating Limitations:

To preclude the applicability of 401 KAR 51:017, the permittee shall control the particulate emissions from the respective emissions units (see section B.7.) with fume hoods, filter systems, wet scrubber and fabric filters while the emissions units are in operation.

Compliance Demonstration Method:
Refer to **Section B.7**.

2. Emission Limitations:

Per each respective production unit with particulate and visible emissions, the permittee shall comply with the following:

a. To preclude the applicability of 401 KAR 51:017, PM/PM10 emission rates shall not exceed 225 tons per 12 consecutive months for the following emissions points:

01(a1) 16 Binder Pump Spray Applicators

03(a3) Fiberglass Curing Oven (7 mmBTU/hr/unit) and Letoff Table (0.3 mmBTU/hr/unit) and Fiberglass Performing curing oven (3 mmBTU/hr).

SECTION B - AFFECTED FACILLITIES FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

07 (1) **Resin/Latex Spray Stations (sprays front and back side of web)**

08 (1) **Web Resin/Latex Curing Oven**

14 (--) **Blender (Cotton)**

15 (--) **Two (2) Cotton Bale Openers**

16 (--) **Web Feeder (Cotton Role)**

PM/PM10 emission rates shall not exceed 225 tons per 12 consecutive months for the following emissions points:

10(b1) 64 Binder Pump Spray Applicators

11(b2) 20 Binder Pump Spray Applicators

12(b3) **84 Moving Glass Melting Furnaces (0.15 mmBTU/hr/unit)**

13(b4) **Fiberglass Curing Ovens (7 mmBTU/hr/unit) and Letoff Table (0.3 mmBTU/hr/unit)**

b. Pursuant to 401 KAR 59:010, Section 3, opacity shall not exceed 20%.

c. To preclude 401 KAR 63:105, Requirements for control technology determinations for major sources in accordance with Clean Air Act section 112(g) and (j) (case-by-case MACT requirements), the increased emissions of Styrene and PM/HAPs from the listed emissions points, below, shall be less than 9 and 22.5 tons, respectively, per 12 consecutive months. The permittee shall control the PM/HAPs and Styrene emissions from the respective (above) emissions units (see section B.7.) with fume hoods, filter systems, wet scrubber and fabric filters while the emissions units are in operation.

10(b1) 64 Binder Pump Spray Applicators

11(b2) 20 Binder Pump Spray Applicators

12(b3) **84 Moving Glass Melting Furnaces (0.15 mmBTU/hr/unit)**

13(b4) **Fiberglass Curing Ovens (7 mmBTU/hr/unit) and Letoff Table (0.3 mmBTU/hr/unit)**

Compliance Demonstration Method:

SECTION B - AFFECTED FACILLITIES FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

a. 1. (All PM sources): PM/PM $_{10}$ Hourly emission limits (per unit):
Hourly Emission Rate = [Daily Production Rate * [1-(%Control efficiency(s)/100)]* ((E.F. - based on most recent stack test-units lbs/ton)/Daily hours of operation]
Note: Excluding the **Cotton Blender**.

2. PM/PM10 Annual (Consecutive 12-months) total = ? [monthly PM/PM10 per respective group of emission points (units-TPY)

b. For Compliance with the annual allowable PM/PM10 emissions rates, also see the monitoring and record keeping requirements listed under **4. Specific Monitoring Requirements** and **5. Specific Record Keeping Requirements** during all periods.

c. Compliance with the opacity limits shall be demonstrated by the permittee performing the monitoring and record keeping requirements listed under **4. Specific Monitoring Requirements** and **5. Specific Record Keeping Requirements** during all periods.

d. Refer to **Section B.7**.

For (HAP (styrene)) monthly emissions from emission points 10(b1) and 13(b4)

e. Monthly Emission Rate (tons) (binder spray applicators) = [Monthly Processing Rate of binder spray applicators x (E.F. - based on most recent stack test -units lbs/ton)/2000]

f. Monthly Emission Rate (tons) (curing and letting oven) = [Monthly Processing Rate of curing and letting ovens x (E.F. - based on most recent stack test-units lbs/ton)/2000]

Note: Emissions factors for particulate and styrene emissions are based on stack tests for and at manufacturing plants is the United States and Europe. Under conditions of issuance for this permit, stack tests are required and new emissions factors will be applied or adjusted as required. Current emissions factors:
PM/PM10 - 26.28 lbs/ton
Binder spray applicators(styrene) - 6.6 lbs/ton
Curing and letting oven(styrene) - 3.78 lbs/ton
Emission factors due to combustion are and have been based on AP-42 and tables under Section 1.4, natural gas combustion.

g. VOC/styrene Annual (Consecutive 12-months) total = $\sum_{1}^{12}$ [monthly binder spray applicators emissions (tons) + monthly curing and letting ovens emissions (tons)]

3. Testing Requirements:

a. Pursuant to 401 KAR 59:005, Section 2(2), 401 KAR 50:045, Section 1 and 40 CFR 60.736 performance testing to establish emissions factors and emission rates of criteria pollutants, PM/PM10, using Reference Methods specified in 401 KAR 50:015 shall be conducted and reported to the Division. Please refer to emission points:

SECTION B - AFFECTED FACILLITIES FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

07 (1), 08 (1), 15 (--), 16 (--), 10(b1) , and 11(b2).

b. To avoid the applicability of 401 KAR 63:105, for hazardous air pollutants (PM/HAP or styrene), source specific emissions and emission factors shall be established by testing at emission points, 10(b1), 12(b3), and 13(b4). Stack testing shall use approved USEPA or ASTM test methods.

c. A stack test to establish representative source specific emissions and emission factors (PM/HAPs styrene emissions) shall be submitted within 60 days of achieving the maximum production rate, pursuant to the Policy Manual Section 7.2 which is incorporated into 401 KAR 50:016, Section 2(g). Pursuant to the Policy Manual Section 7.3, which is incorporated into 401 KAR 50:016, Section 2(g), test results shall be submitted to the Division within 45 days. The Division reserves the right to require additional testing.

4. Specific Monitoring Requirements:

a. The permittee shall monitor and maintain records of the following information:
   i. The total daily raw material input per unit at each emission point.
   ii. The hours per day of operation for the respective unit
   iii. Once per day when each unit is operating under maximum conditions, the permittee shall survey the emissions associated with each emission point for visible emissions and maintain a daily log noting the following information:
      (1) Whether any air emissions were visible from the emission unit;
      (2) All emission points from which visible emissions were observed;
      (3) Whether the visible emissions were normal for the respective emissions unit.

b. If no visible emissions are observed then no further monitoring is required. If visible emissions are observed, the permittee shall perform one of the following:
   i. The permittee shall perform a Method 9 reading for emission points of concern. The opacity observed shall be recorded in the daily log. The reading shall be performed by a representative of the permittee certified in Visible Emissions Evaluations. The permittee shall maintain a list of all individuals that are certified Visible Emissions Evaluators and the date of certification; or
   ii. The permittee shall observe and record in the weekly log the following information:
      (1) The color of the emissions;
      (2) Whether the emissions were light or heavy;
      (3) The total duration of the visible emission incident;
      (4) The cause of the abnormal emissions; and
      (5) Any corrective actions taken.

b. The permittee shall maintain readily accessible copies of the Air flex 4530 Emulsion analysis for the Resin Spray Stations. The Filter system shall be inspected weekly for proper operation.

c. A change in raw or addition of a new material with a different styrene composition shall be reported to the Division for prior approval.

d. Maintain a daily/monthly, as applicable, log of the input processing rates of materials for the binder spray applicators and curing and letting ovens.

f. Monitor and maintain a Wet Scrubber and backup Fabric Filter inspection log including a daily log of the pressure drop across the Wet Scrubber and backup Fabric Filter for emission point 13

SECTION B - AFFECTED FACILLITIES FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(b4) Fiberglass Curing Ovens (7 mmBTU/hr/unit) and Letoff Table (0.3 mmBTU/hr/unit).

h. Refer to **Section B.7**.

i. Monitor the temperature of the new glass-melting furnace(s), the glass pull rate (tons), and the hours of operation for each new glass-melting furnace at all times, including stack testing. Reference emission point 12(b3).

j. Monitor the Loss on Inigition (LOI) for the binder at all times, including stack testing. Reference emission point 13(b4).

5. Specific Recordkeeping Requirements:

a. See **4. Specific Monitoring Requirements** above.

b. The Filter system inspection log shall be maintained and made readily available for inspection.

c. Maintain daily/monthly records of the binder spray applicators and curing and letting ovens input processing rates.

d. The Wet Scrubber and backup Fabric Filter system inspection log shall be maintained and made readily available for inspection.

e. Refer to **Section B.7**.

f. Record and report any period when the temperature exceedence would result in exceedence of the major limits specified under the above Sections, the date and time of the exceedance, when corrective actions were initiated, the cause of the exceedance, an explanation of the corrective actions taken, and when the cause of the exceedance was corrected. Reference emission point 12(b3).

g. Repord and report any period when the LOI determined values would result in exceedence of the major limits specified under the above Sections, the date and time of the exceedance, when corrective actions were initiated, the cause of the exceedance, an explanation of the corrective actions taken, and when the cause of the exceedance was corrected. Reference emission point 13(b4).

6. Specific Reporting Requirements:

a. Refer to Section F.

b. Reports of monthly styrene emissions shall be submitted along with the semi-annual reports required under Section F.

c. Notification and reporting for the glass-melting furnace(s) shall be pursuant to 40 CFR 63.1386.

7. Specific Control Equipment Operating Conditions:

a. The permittee shall maintain and operate the Wet Scrubber and or Backup Fabric Filter according to the manufacturers' specifications.

b. The permittee shall maintain and operate the Fume hoods and Filter systems according to the manufacturers' specifications.

c. Specific Control Equipment Operating Conditions:

SECTION B - AFFECTED FACILLITIES FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Point(s)/Affected Facility	**Control Equipment**	**Monitoring and Operating Parameters** (check once per shift)	**Comments**
03(a3)/Fiberglass Curing Oven (7 mmBTU/hr/unit) and Letoff Table (0.3 mmBTU/hr/unit) and Fiberglass Performing curing oven (3 mmBTU/hr)	Wet Scrubber and	Water Flowrate: Pressure Drop: pH: Note: These parameters shall be established at time of compliance testing	a) Refer to **Section I** b) Exceedence of operating parameters shall be reported and/or repaired in accordance with **Section F.6**.
	Backup Fabric Filter	Air Flowrate: Pressure Drop: Note: These parameters shall be established at time of compliance testing	a) Refer to **Section I** b) Exceedence of operating parameters shall be reported and/or repaired in accordance with **Section F.6**.
07(1)/Resin Spray Stations	Fabric Filter	Air Flowrate: Pressure Drop: Note: These parameters shall be established at time of compliance testing	a) Refer to **Section I** b) Exceedence of operating parameters shall be reported and/or repaired in accordance with **Section F.6**.
13 (b4) /Fiberglass Curing Ovens (7 mmBTU/hr/unit) and Letoff Table (0.3 mmBTU/hr/unit)	Wet Scrubber and	Water Flowrate: Pressure Drop: pH: Note: These parameters shall be established at time of compliance testing	a) Refer to **Section I** b) Exceedence of operating parameters shall be reported and/or repaired in accordance with **Section F.6**.

SECTION B - AFFECTED FACILLITIES FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

	Backup Fabric Filter	Air Flowrate: Pressure Drop: Note: These parameters shall be established at time of compliance testing	a) Refer to **Section I** b) Exceedence of operating parameters shall be reported and/or repaired in accordance with **Section F.6**.

d. Filters and scrubber shall be operated in accordance with design parameters at all times the emission point is in operation. Designed/operating parameters shall be established during compliance testing.

e. Filters and scrubber shall be inspected on an annual basis. Preventive maintenance shall be performed in accordance with manufacturer specifications. The scrubber shall be inspected on an annual basis for proper operation of the following:
   1. Scrubber liquid pump(s)
   2. Scrubber liquid spray nozzles
   3. Scrubber internals
   4. pH instrumentation

f. The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when the emission points are in operation but the associated air pollution control equipment is not.

SECTION C - INSIGNIFICANT ACTIVITIES:

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	Description	Generally Applicable Regulation
1.	Xylene Storage Tank	NA
2.	Polyester Resin (Stypol 04-5030) Tank	NA
3.	Polyester Resin (Aropol O-6650A) Tank	NA
4.	Web Forming Room	401 KAR 59:010
5.	Web Resin Tank (7000 gallons)	NA
6.	Garnette Area	401 KAR 59:010

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

As required by the material incorporated by reference by 401 KAR 52:020, Section 1, compliance with annual emissions and processing limitations imposed contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. When continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place as defined in this permit, and time of sampling or measurements.
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement;

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [401 KAR 52:020 Section 3(h)]

3. In accordance with the requirements of 401 KAR 52:020 Section 3(h) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:

   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;

   b. To access and copy any records required by the permit:

   c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

   d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the division's Ashland Regional Office at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

   The semi-annual reports are due January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.

6. a. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Division for Air Quality's Ashland Regional Office concerning startups, shutdowns, or malfunctions as follows:
      i. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
      ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.

   b. As required by the material incorporated by reference by 401 KAR 52:020, Section 6; the owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by general condition 6 a. above) to the Division for Air Quality's Ashland Regional Office within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by general condition F.5.

7. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Division for Air Quality's Ashland Regional Office and the U.S. EPA in accordance with the following requirements:
   a. Identification of the term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

d. The method used for determining the compliance status for the source, currently and over the reporting period, and

e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

f. Optional item - Note to permit writer: The permitting authority may require other facts beyond items a-d of condition #7 to determine the compliance status of the source. If other facts are to used to determine compliance they should be specified here.

g. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Ashland Regional Office
3700 13th Street
Ashland, KY 41105

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

8. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the division with all information necessary to determine its subject emissions within thirty (30) days of the date the KEIS emission report is mailed to the permittee.

9. Pursuant to Section VII.3 of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL CONDITIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020, Section (3)(1)(d) and 42 USC 7661 through 7671q (Title V of the Clean Air Act) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision or denial of a permit. [Material incorporated by reference by 401 KAR 52:020, Section 1a, 3]

2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition. [Material incorporated by reference by 401 KAR 52:020, Section 1a, 6]

3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
   a. If additional requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
   b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
   c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

   Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the division may provide a shorter time period in the case of an emergency.

3. The permittee shall furnish information requested by the cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the permit. [Material incorporated by reference by 401 KAR 52:020, Section 1a, 7,8]

4. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority. [Material incorporated by reference by 401 KAR 52:020, Section 7]

SECTION G - GENERAL CONDITIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [Material incorporated by reference by 401 KAR 52:020, Section 1a, 14]

7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance. [Material incorporated by reference by 401 KAR 52:020, Section 1a, 4]

8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States. [Material incorporated by reference by 401 KAR 52:020, Section 1a, 15)b]

9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6). [Material incorporated by reference by 401 KAR 52:020, Section 1a, 10]

10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 52:020, Section 11(3)(b)]

11. This permit shall not convey property rights or exclusive privileges. [Material incorporated by reference by 401 KAR 52:020, Section 1a, 9]

12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.

13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry. [401 KAR 52:020, Section 11].

14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders. [401 KAR 52:020, Section 11]

15. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of a permit shall be considered compliance with:
    (a) Applicable requirements are included and specifically identified in the permit; or
    (b) Non-applicable requirements that are expressly identified in this permit.

16. All previously issued construction and operating permits are hereby subsumed into this permit.

SECTION G - GENERAL CONDITIONS (CONTINUED)

(b) Permit Expiration and Reapplication Requirements

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the division. [401 KAR 52:020, Section 12(6)(a)]

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).

2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

1. Construction of process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.

2. Within thirty (30) days following completion and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Division for Air Quality's Ashland Regional Office in writing, with a copy to the division's Frankfort Central Office, notification of the following:
   a. The date when construction commenced.
   b. The date of start-up of the affected facilities listed in this permit.
   c. The date when the maximum production rate specified in the permit application was achieved.

SECTION G - GENERAL CONDITIONS (CONTINUED)

3. Pursuant to 401 KAR 52:020, Permits, Section 3(2), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of 18 months or more, or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon a written request, the cabinet may extend these time periods if the source shows good cause.

4. Operation of the affected facilities for which construction is authorized by this permit shall not commence until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055, except as provided in Section I of this permit.

5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a test on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements. These performance tests must also be conducted in accordance with General Conditions G(d)6 of this permit and the permittee must furnish to the Division for Air Quality's Frankfort Central Office a written report of the results of such performance test.

6. Pursuant to Section VII 2.(1) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1.(1), at least one month prior to the date of the required performance test, the permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the division's Frankfort Central Office. Pursuant to 401 KAR 50:045, Section 5, the division shall be notified of the actual test date at least ten (10) days prior to the test.

(e) Acid Rain Program Requirements

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:

SECTION G - GENERAL CONDITIONS (CONTINUED)

a. An emergency occurred and the permittee can identify the cause of the emergency;
b. The permitted facility was at the time being properly operated;
c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within ten (10) working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken. This requirement does not relieve the source from other local, state or federal notification requirements.

2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement.

3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:020, Permits, Section 24(2)]

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:
RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
   a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
   b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
   c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
   d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
   e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.

SECTION G - GENERAL CONDITIONS (CONTINUED)

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

SECTION H - ALTERNATE OPERATING SCENARIOS: NA

The alternate operating scenarios set forth below have been approved by the division based on information supplied with the application and during the application review process. The terms and conditions of each alternate operating scenario have been developed to ensure compliance with the applicable regulations. The permittee, when making a change from one operating scenario to another, shall record contemporaneously in a log at the permitted facility a record of the scenario under which the facility is operating. The permit shield, as provided in Section G, Condition (a)15, shall extend to each alternate operating scenario set forth in this Section. All conditions not specified under an alternate operating scenario shall remain unchanged from their permit values or requirements.

SECTION I - COMPLIANCE SCHEDULE:

Within 120 days after final permit issuance, the permittee shall perform compliance testing on facilities having particulate and styrene emissions, and develop operating parameters specified under **Section B.7.** for the specific control equipment. Maintenance schedules shall be developed in accordance with manufactures specifications for the Filter systems and Wet Scrubber and backup Fabric Filter specified. The glass-melting furnace(s) shall meet compliance with the dates listed under 40 CFR 63.1387.

SECTION J - ACID RAIN: NA